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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/693,355

10/23/2003

Dan Dwyer

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22879

7590

03/21/2006

HEWLETT PACKARD COMPANY
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INTELLECTUAL PROPERTY ADMINISTRATION
FORT COLLINS, CO 80527-2400

EXAMINER

KOVAL, MELISSA J

ART UNIT

PAPER NUMBER

2851

DATE MAILED: 03/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

4A

Office Action Summary	Application No.	Applicant(s)	
	10/693,355	DWYER ET AL.	
	Examiner	Art Unit	
	Melissa J. Koval	2851	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 January 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-29 and 31-71 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 20,21,23-29,31-37,39,40,68 and 69 is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☒ Claim(s) 47 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 February 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-6, 8-12, 14, 16, 42, 43, 46, 49-54, 57-61, 66, 67, 70 and 71 are rejected under 35 U.S.C. 102(b) as being anticipated by Howell et al. U.S. Patent 6,443,574 B1.

See Figures 1 and Figure 3B, for example.

Claim 1 sets forth: "A multimedia display device comprising:

a docking station (See docking bracket 22 in Fig. 1 or docking station 210 in Figure 3B.) including speakers (See vehicle speakers 48 in Figure 1 or speakers 220 in Figure 3B.) and a media drive (Information storage and retrieval device 12 including removable storage medium 24 in Figure 1 or entertainment device 202 in Figure 3B.);

wherein said docking station is configured to selectively and releasably couple a projector to said docking station (Video display screen 14 of Figure 1 and a similar video display screen shown in Figure 3B constitute a rear projection device.)."

See column 2, lines 48 through 59, wherein the term "releasably" is used with respect to "docking bracket 22". In making a decision to release docket bracket 22, the user or operator makes a selection. Also see column 4, lines 49 through 61.

Claim 2 sets forth: "The multimedia display device of claim 1, wherein said

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docking station further comprises an electrical interconnect.” See electronics 18 and terminals 34 of Figure 1.

Claim 3 sets forth: “The multimedia display device of claim 2, wherein said projector is coupled to said docking station through said electrical interconnect.” See column 5, lines 50 through 64, wherein pins 162 and electrical connector 166 are described.

Claims 4 and 5 are rejected for the same reasons described in the rejections of claims 2 and 3.

With respect to claim 6, see column 2, lines 60 through 67 and column 3, lines 1 through 7.

With respect to claims 8 and 9, see electrical connectors 44 in Figure 1. The user pushes buttons to control the device.

With respect to claim 10, the figures show a handle disposed on the housing that slides into the docking bracket, however the handle has not been given a reference numeral.

With respect to claim 11, see column 3, lines 7 through 16.

With respect to claim 12, see Figures 1 and 3C.

With respect to claim 14 the cavity of housing 20, supports video display screen 14 in both horizontal and vertical directions. See column 4, lines 21 through 31.

With respect to claim 16, see speakers 220 shown in Figure 3B.

With respect to claim 17, See column 5, lines 13 through 23.

Claim 42 sets forth: “A method of making a docking station comprising:

Forming a body of said docking station, wherein said body includes a media drive and a cavity configured to receive a projector, with said body configured to selectively and releasably couple to said projector; and
including a speaker with said docking station.”

Claims 42, 43, 46, 49, 50, 51, 54, and 57-61 are met by the teaching of Howell et al. for the reasons already given above. Furthermore with respect to claims 42, and 58, again refer to column 5, lines 13 through 16, and additionally column 6, lines 26 through 38. In the teaching, the speakers are, for all practical purposes, “with” the docking station.

Claim 51 sets forth: “The docking station of claim 50, wherein said electrical interconnect is configured to transmit a video signal to said projector coupled to said multimedia components.” See column 2, lines 60 through 67, and column 3, lines 1 through 7.

With respect to claims 66, 67 and 70, again refer to the Figures.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 19 and 62 through 65 are rejected under 35 U.S.C. 103(a) as being unpatentable over Howell et al. 6,443,574 B12 in view of Derryberry U.S. Patent 6,626,543 B2.

The multimedia display device of claim 1, wherein said docking station further comprises an indicator configured to notify a user when said projector is correctly coupled to said docking station.

Howell et al. '574 B1 does not specifically use the term "indicator", but discusses a mechanical switch 16 having an activated and inactivated status. See column 3, lines 7 through 54, of '574 B1. The orientation of the vehicle docket bracket 22 as it engages with the entertainment device 10 is discussed and a concern of the teaching. One having ordinary skill in the art understands from familiarity with commercially available analogous devices that the presence of power indicators on the face of a myriad of such devices is not only quite common, but usual.

Derryberry '543 B2 teaches a power button 24 shown in Figures 1 and 3, for example, associated with drives A and B, and display screen 18. Once the power button is on, the failure of the drives or the display screen to operate would indicate the failure of electrical connectivity among the docked devices. It would have been obvious to one having ordinary skill in the art at the time the invention was made that a power indicator button or other indicator, as shown by Derryberry '543 B2, could be used to confirm to the user if proper docking and electrical connections were made with devices such as those discussed by Howell et al. '574 B1. The motivation for one having

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ordinary skill in the art to make such a modification would be to facilitate use of the device.

With respect to claim 62, see electrical connects 34 of Howell et al. '574 B1 in view of column 3, lines 53 through 56 of Derryberry '543 B2.

With respect to claims 63 through 65, considering the teachings of both Howell et al. and Derryberry, the shape of speakers used is not referred to in either teaching. It would have been obvious to one having ordinary skill in the art at the time the invention was made to use round speakers, as in claims 63 through 65, as nothing in applicant's specification suggests that the shape of the speakers are critical. The motivation for one having ordinary skill in the art to use a speaker of one shape over another would be purely cosmetic.

Allowable Subject Matter

Claims 20, 21, 23 through 29, 31 through 37, 39, 40, 68, and 69 are allowed.

Claim 47 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

On page 14 of applicant's remarks filed January 11, 2006, Applicant refers to similarities between claim 1 and claim 32. The Examiner asserts that the claims are distinctly different, because claim 32 is more specific and less broad than claim 1. The

teaching of Howell et al. makes a clear distinction between the docking station and housing taught therein that is not present in any of newly amended claims 42, 49 and 58. Similarly, with respect to Applicant's remarks on page 15, both claims 42 and 49 are definitively broader than claim 32. The same is true of claim 58, mentioned by Applicant on page 16 of the remarks. If the claims are all so similar, perhaps not so many are necessary for Applicant to describe their invention.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

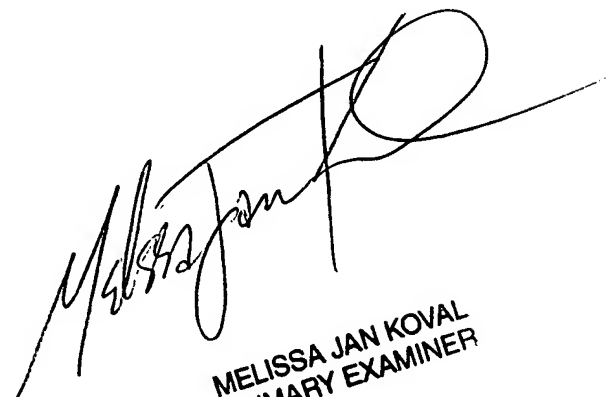
A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Melissa J. Koval whose telephone number is (571) 272-2121. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on (571) 272-2258. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Melissa Jan Koval
Primary Examiner
Art Unit 2851
MJK



MELISSA JAN KOVAL
PRIMARY EXAMINER